DWR
CCTAG
Scenarios Subgroup Meeting

February 21, 2014

California Department of Water Resources
Climate Change Technical Advisory Subgroup Meeting

February 21, 2013
10:00 am-12:00 pm
DWR Fishbowl Conf Room, 2nd floor, Bonderson

https://resources.webex.com/resources/j.php?ED=229264172&UID=491358787&RT=MiM0

Provide your phone number when you join the meeting to receive a call back. Alternatively, you can call:
Call-in toll-free number (Verizon): 1-877-923-1522 (US)
Host access code: 679 474 0
Attendee access code: 295 056 7

MEETING GOALS and OBJECTIVES:

Update on Model Screening/Culling

Cayan

Update and plan for completion of recommendations write-up

Lynn

Discussion: Extreme/stress test scenarios

All

Discussion: Downscaling

All

Briefing: Sacramento-San Joaquin Basin Study

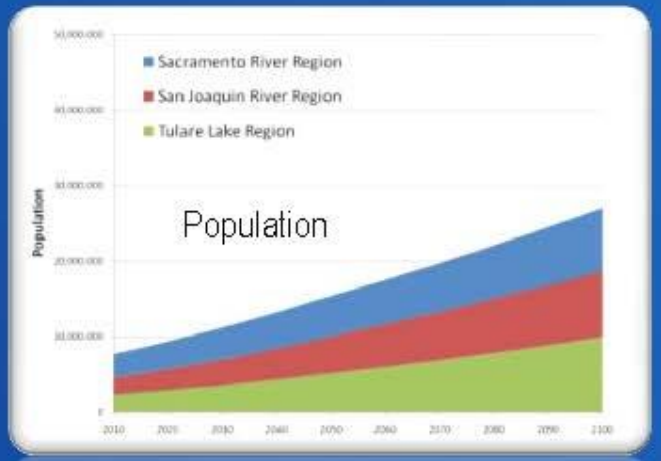
Schwarz

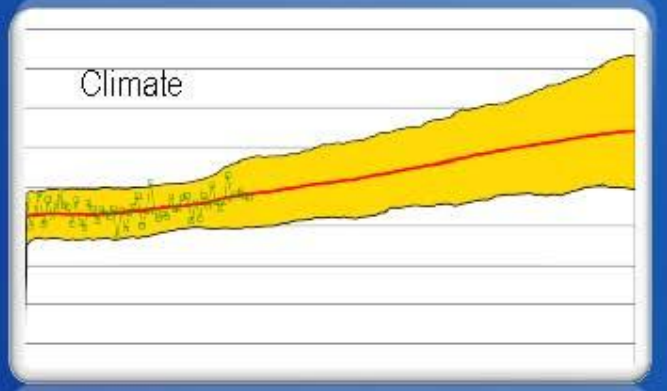
Sacramento-San Joaquin Basins Study (SSJBS)

Purpose: to conduct a comprehensive assessment to define current and future imbalances in water supply and demand, evaluate the effects of future changes in climate and socioeconomic factors on water supply and demand, perform a system risk and reliability assessment of the Baseline system to define current and future imbalances in water supply and demand under different potential future conditions, and to develop and analyze adaptation and mitigation strategies to resolve those imbalances.

Representation of Climate and Socioeconomic Uncertainty

- 18 scenarios bracket the range of uncertainty:
  - One future socioeconomic conditions
    - Current Trends
  - 18 future climate conditions
    - 1 reflecting historical conditions without climate change
    - 5 Ensemble-Informed future climate scenarios
    - 12 Downscaled CAT12 climate projections



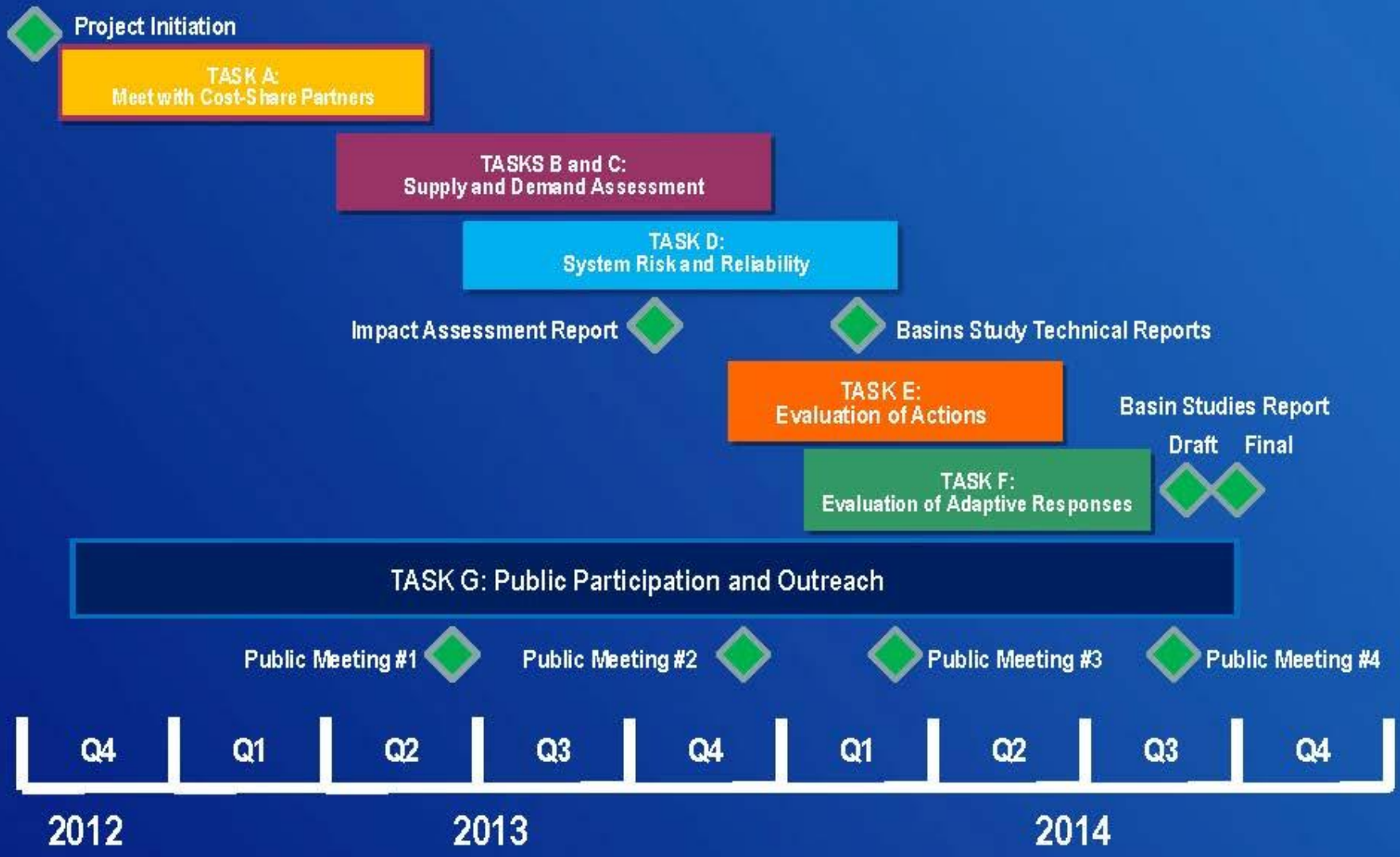


RECLAMATION

Methodology to Incorporate Regional Climate Change

- Future Climate Projections
  - Most recent projections from PCMDI CMIP5 archive (IPCC AR5 Report)
  - Ensemble-Informed Transient Climate Scenarios
  - Representative Individual Downscaled GCM Projections
    - Equivalent GCMs as used in Phase 1 climate impact assessment
- Paleohydrology
  - Reconstructions developed by Meko et al.
  - Update with available on-going studies (Meko and Woodhouse)

Basins Study Schedule



RECLAMATION

THANK YOU!